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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,219	11/27/2001	Roger W. Call	528-010128-US (PAR)	9646
2512	7590	08/02/2005	EXAMINER	
PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT 06824			SOL, ANTHONY M	
			ART UNIT	PAPER NUMBER
			2662	

DATE MAILED: 08/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/995,219

Applicant(s)

CALL ET AL.

Examiner

Anthony Sol

Art Unit

2662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 27 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-18 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 February 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

- a. The drawings are objected to because:
  - Fig. 3 does not have a reference number L4 for the link going from node 1 to node 5 as disclosed in the specification on page 8, line 14-15.
  - Fig. 9 has crosslink "a" going from node 1 to node 6. It is believed that the applicant intended crosslink "a" going from node 1 to node 7 based on the specification, wherein on page 10, line 8 states, "The ring structure 94 of Fig. 9 results from the exchange of link "a" with link "d" (referring to Fig. 8). Therefore, both links "a" and "d" cannot be going to the same node 6 in Fig. 9.
  - Fig. 15 has "1"s in row 1/column 8, row 2/column 9, row 3/column 10, and row 5/column 11 (column number 11 is actually not labeled at all). It is believed that the applicant intended "1"s to be in row 1/column 7, row 2/column 8, row 3/column 9, and row 5/column 10 with last column removed.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure

is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

- b. The disclosure is objected to because of the following informalities:
- On page 5, line 3, it is believed that "loop end cross-link" should state, --loop and cross-link--.
  - On page 5, line 12, it is believed that "chart one" should state, --chart of one--.
  - On page 7, lines 20, 22 and 26, it is believed that "structure 8" should state --structure 80--.
  - On page 11, line 18, it is believed that "Figure 1" should state --Figure 12--.
  - On page 11, line 21, it is believed that "Figure 14" should state --Figure 13--.
  - On page 11, line 22, it is believed that "Figure 14" should state --Figure 15--.

- On page 11, lines 22-23, it is believed that "Figure 13" should state --Figure 14--.
- On page 11, line 28, it is believed that "Figure 15" should state --Figure 14--.
- On page 20, line 2, it is believed that "present" should state --present invention--.

Appropriate corrections are required.

c. Claims 15 and 18 are objected to because of the following informalities:

- For claim 15, line 6, it is believed that "find loop" should state --final loop--.  
For claim 15, line 7, it is believed that "cross links" should state --crosslinks--.  
For claim 15, line 8, it is believed that "crosslinks comb" should state --crosslink combination--.
- For claim 18, line 8, it is believed that "find loop" should state --final loop--.  
For claim 18, line 13, it is believed that "crosslink comb" should state --crosslink combination--.

Appropriate corrections are required.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

***Allowable Subject Matter***

2. Claims 1-18 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Applicants have claimed the following uniquely distinct features in the instant invention, which are not found in the prior art, either singularly or in combination:

- Performing local transformation on the base network to form a transformed network; and
- Switching at least two links in the initial loop network forming a new loop network; and
- Computer readable program code means for causing a computer to switch at least two desired replacements links in the initial loop configuration to form a test configuration.

The closest prior art, either singularly or in combination, fails to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

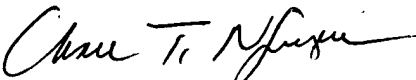
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Sol whose telephone number is (571) 272-5949. The examiner can normally be reached on M-F 7:30am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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7/25/2005

  
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